

Title (en)

SENSING STRATEGIES AND METHODS FOR NUCLEIC ACID DETECTION USING BIOSENSORS

Title (de)

WAHRNEHMUNGSSTRATEGIEN UND VERFAHREN ZUM NUKLEINSÄURENACHWEIS MIT BIOSENSOREN

Title (fr)

STRATÉGIES DE DÉTECTION ET PROCÉDÉS DESTINÉS À LA DÉTECTION D'ACIDES NUCLÉIQUES AU MOYEN DE BIOCAPTEURS

Publication

**EP 2329039 B1 20160511 (EN)**

Application

**EP 09785845 A 20090903**

Priority

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Abstract (en)

[origin: WO2010026450A1] Embodiments of the present invention relate generally to strategies and methods of amplifying short target sequences and removing flanking sequences from target nucleic acids to remove background signal when detecting hybridizations events using sensitive detection biosensors, such as biosensors based on nanowires, carbon nanotubes, nanopores etc, that may be capable of detecting molecules at small molar concentrations (fM and less), or even at the single molecule level. Furthermore, by cropping and therefore standardizing the size of the target sequences to be detected, when detecting many target sequences in an array, the signals across each biosensor can be compared and the hybridization conditions standardized easily.

IPC 8 full level

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